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OXC - 1782
Copy 1 of 7

7 June 1961

MEMORANDUM FOR : The Record

SUBJECT : A-12 FMA-523 Fuel Consumption - Preliminary Estimate

1. Preliminary estimate of subject fuel consumption during the accelerated test phase is presented herewith:

Month	A-12 Fuel Consumed(gals/mo)	Tanker Supplied Fuel (gals/mo)	Area Supplied Fuel (gals/mo)
Nov. 61	*52,400	0	52,400
Dec.	60,000	0	60,000
Jan. 62	91,600	0	91,600
Feb.	91,600	0	91,600
Mar.	152,000	0	152,000
April	240,000	0	240,000
May	333,000	0	333,000
June	452,000	55,000	397,000
July	600,000	110,000	490,000
Aug.	755,000	110,000	645,000
Sept.	810,000	165,000	645,000
Oct.	940,000	165,000	775,000
Nov.	1,080,000	165,000	915,000
Dec.	1,200,000	165,000	1,035,000
Totals:	6,857,600	935,000	5,922,600

* Allows for 20 hours engine ground running time.

The above figures are based upon the following factors:

(a) 4 December 1961 initial flight.

(b) Starting with 4 December 1961 initial flight, maintain same article flight schedule breakdown as existed prior to initial flight slippage from 1 September 1961. This assumption is necessary because no flight schedule breakdown subsequent to the 4 December 1961 initial flight date has been received from Lockheed.

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(c) The nominal 25 hour per month per airplane accelerated test phase concept established in February 1961 and known as Plan F.

It should be recalled that Plan F objectives although justifiable and prudent for planning purposes are quite optimistic and will be difficult to meet. Further, the consumption rate for December 1962 represents a peak load based upon participation of all 10 articles.

2. Although little is known of the subsequent operational phase, current estimate places total fuel consumption rate at approximately 810,000 gals/mo for 9 articles flying 15 hrs/mo. Using the same division between tanker fuel and Area fuel as used for September 1962, this total of 810,000 gals/mo would break down to 165,000 gals/mo tanker supplied and 645,000 gals/mo Area supplied fuel.

SIGNED

[redacted]

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